

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 – 4. (Cancelled)

5. (Currently Amended) A method for servicing an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:  
identifying a printhead-related service condition not adequately addressed by servicing the [[printer]]printhead with the first service module being in an un-worn condition;  
providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition, the second service module removably installable on the printer;  
removing the first service module from the printer;  
installing the second service module in the printer in place of the first service module;  
using the second service module, conducting a special printhead-related servicing operation.

6. (Previously Presented) The method of claim 5, further comprising:  
after completion of the special printhead-related servicing operation, removing the second service module from the printer; and  
installing the first service module in the printer in place of the second service module.

1           7.       (Currently Amended) A method for servicing an inkjet  
2 printhead with a nozzle plate and a first service module removably installed on the printer,  
3 comprising:

4           identifying a printhead-related service condition not adequately addressed by servicing  
5 the [[printer]]printhead with the first service module being in an un-worn condition;

6           providing a second service module with a service function different from the first service  
7 module and adapted to address said printhead-related service condition, the second service  
8 module removably installable on the printer and in place of the first service module;

9           providing a set of instructions for using the second service module with the inkjet printer  
10 to the printer user, wherein the step of providing a set of instructions includes providing a set of  
11 machine readable printer instruction code for loading into the printer.

1           8.       (Previously Presented) The method of claim 7 wherein the printer is controlled  
2 by a host computer, and wherein the step of providing the set of instructions includes  
3 downloading the set of printer instruction code from the host computer.

1           9 – 13. (Cancelled)

1           14.       (Currently Amended) A method for servicing an inkjet printer including an inkjet  
2 printhead with a nozzle plate and a first service module removably installed on the printer,  
3 comprising:

4           identifying a printhead-related service condition not adequately addressed by servicing  
5 the [[printer]]printhead with the first service module being in an un-worn condition;

6           providing a second service module with a service function different from the first service  
7 module and adapted to address said printhead-related service condition, the second service  
8 module removably installable on the printer and in place of the first service module, wherein said  
9 printhead-related service condition includes ink on a printhead carriage interconnect, and the  
10 second service module includes a brush arranged to clean the interconnect.

1           15.     (Currently Amended) A method for servicing an inkjet  
2 printhead with a nozzle plate and a first service module removably installed on the printer,  
3 comprising:

4           identifying a printhead-related service condition not adequately addressed by servicing  
5 the ~~[[printer]]~~printhead with the first service module being in an un-worn condition;

6           providing a second service module with a service function different from the first service  
7 module and adapted to address said printhead-related service condition, the second service  
8 module removably installable on the printer and in place of the first service module, wherein said  
9 printhead-related service condition includes vibration or shock incurred during shipment or  
10 moving of the printer, and the second service module includes a special capping structure having  
11 a range of movement along an axis generally perpendicular to a nozzle array of the printhead,  
12 and a bias structure which urges the capping structure toward and into engagement with the  
13 printhead during a capping procedure.

1           16.     (Original) The method of claim 15 wherein the special capping structure includes  
2 a relative hard, non-resilient cap structure which contains the printhead during the capping  
3 procedure.

1           17 – 18. (Cancelled)

1           19.     (Currently Amended) A method for servicing an inkjet printer including an inkjet  
2 printhead and a removable first service module, comprising:

3           providing a second service module different from the first service module and adapted to  
4 address a printhead-related service condition of the printhead not adequately addressed by the  
5 first service module being in an un-worn condition, the second service module removably  
6 installable on the printer and in place of the first service module;

7           providing a set of instructions for using the second service module with the inkjet printer  
8 to ~~[[the]]~~a printer user, wherein the step of providing a set of instructions includes providing a set  
9 of machine readable printer instruction code for loading into the printer;

10          installing the second service module in the printer;

11          conducting a printhead-related service operation using the second service module.

1           20.     (Currently Amended) A method for servicing an inkjet printer including an inkjet  
2 printhead and a removable first service module, comprising:

3           providing a second service module different from the first service module and adapted to  
4 address a printhead-related service condition of the printhead not adequately addressed by the  
5 first service module being in an un-worn condition, the second service module removably  
6 installable on the printer and in place of the first service module;

7           providing a set of instructions for using the second service module with the inkjet printer  
8 to the printer user, wherein the printer is controlled by a host computer, and the step of providing  
9 a set of instructions includes downloading ~~[[the]]~~a set of printer instruction code from the host  
10 computer;

11          installing the second service module in the printer;

12          conducting a printhead-related service operation using the second service module.

1           21.     (Canceled)

1           22.     (Currently Amended) A method for servicing an inkjet  
2 printhead and a removable first service module, comprising:

3           providing a second service module different from the first service module and adapted to  
4 address a printhead-related service condition of the printhead not adequately addressed by the  
5 first service module being in an un-worn condition, the second service module removably  
6 installable on the printer and in place of the first service module;

7           installing the second service module in the printer;

8           conducting a printhead-related service operation using the second service module;

9           after completion of the printhead-related servicing operation, removing the second  
10 service module from the printer; and

11          installing the first service module in the printer in place of the second service module.

1           23 – 26. (Cancelled)

1           27.     (Currently Amended) A method for servicing an inkjet printer including an inkjet  
2 printhead and a removable first service module, comprising:

3           providing a second service module different from the first service module and adapted to  
4 address a printhead-related service condition of the printhead not adequately addressed by the  
5 first service module being in an un-worn condition, the second service module removably  
6 installable on the printer and in place of the first service module;

7           installing the second service module in the printer;

8           conducting a printhead-related service operation using the second service module;

9           wherein said printhead-related service condition includes ink on a printhead carriage  
10 interconnect, and the second service module includes a cleaning element arranged to clean the  
11 interconnect during a special cleaning mode with the printhead removed from the carriage.

1           28 – 29. (Cancelled)

1           30.     (Previously Presented) An apparatus for use in an inkjet printing system  
2 including an inkjet printhead and a standard service module removably installed in the printing  
3 system, the apparatus comprising a special service module configured to be removably installed  
4 in the printing system in place of the standard service module to perform a special service  
5 function on the printhead which is not performed by the standard service module being in an  
6 un-worn condition, the special service module removably installable in the printing system and  
7 in place of the standard service module, wherein the special service module includes a housing  
8 and at least one component mounted to the housing to perform the special service function.

1           31.     (Currently Amended) A method for servicing an inkjet printer including an inkjet  
2 printhead with a nozzle plate and a first service module removably installed on the printer,  
3 comprising:

4           identifying a printhead-related service condition of the printhead not adequately  
5 addressed by servicing the [[printer]]printhead with the first service module;

6           providing a second service module with a service function different from the first service  
7 module and adapted to address said printhead-related service condition;

8           removing the first service module from the printer;

9           installing the second service module in the printer in place of the first service module;

10          using the second service module, conducting a special printhead-related servicing  
11 operation;

12          after completion of the special printhead-related servicing operation, removing the  
13 second service module from the printer; and

14          installing the first service module in the printer in place of the second service module.

1           32.-44. (Cancelled)

1           45.     (Previously Presented) An inkjet printing system, comprising:  
2           an inkjet printhead;  
3           a service area for performing service functions on the printhead;  
4           a first service module for removable mounting at the service area to perform service  
5 functions on the printhead during a standard printhead service mode;  
6           a second service module for removable mounting at the service area in place of the first  
7 service module to perform a different service function from that performed by the first service  
8 module in an un-worn condition on the printhead during a special printhead service mode.

1           46.     (Previously Presented) The system of Claim 45 further comprising:  
2           a printhead carriage for mounting the printhead and arranged for traversing movement  
3 along a print area and for moving to the service area;  
4           a service carriage for removably mounting the first service module or the second service  
5 module.